

United States Patent [19]

Washizuka

[11] Patent Number: 4,639,225

[45] Date of Patent: Jan. 27, 1987

[54] PORTABLE AUDIO-VISUAL ELECTRONIC APPARATUS

[75] Inventor: Isamu Washizuka, Kyoto, Japan

[73] Assignee: Sharp Kabushiki Kaisha, Osaka, Japan

[21] Appl. No.: 506,761

[22] Filed: Jun. 22, 1983

[30] Foreign Application Priority Data

Jun. 24, 1982 [JP] Japan 57-110167

[51] Int. Cl.⁴ G09B 5/06

[52] U.S. Cl. 434/308; 358/254;
273/148 B; 273/DIG. 28

[58] Field of Search 273/DIG. 28, 148 B;
358/230, 236, 254; 434/179, 178, 308, 335

[56] References Cited

U.S. PATENT DOCUMENTS

4,160,242 7/1979 Fowler et al. 434/179
4,396,941 8/1983 Nishimura et al. 358/254
4,430,648 2/1984 Togashi et al. 273/DIG. 28

Primary Examiner—Leo P. Picard

Attorney, Agent, or Firm—Birch, Stewart, Kolasch & Birch

[57] ABSTRACT

A portable general-purpose electronic apparatus which is characterized in that; a memory unit can be inserted into the housing via an inlet so that any desired display information memorized by the memory unit can be displayed on a screen display, and as a result, a variety of information can be conveniently displayed by merely changing the memory unit. Consequently, an extremely useful general-purpose electronic apparatus can be realized by memorizing any desired information, for example, such as game function and other data of interest.

6 Claims, 9 Drawing Figures

